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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A device for adaptive vibration attenuation comprising a passive isolator with a nonlinear force-deflection characteristic and an operating point; and a pneumatic actuator which varies the operating point of said isolator along said force-deflection characteristic wherein the pneumatic actuator comprises at least one upper pressure chamber, a non-linear spring, and one lower pressure chamber wherein air pressure in said at least one upper pressure chamber can be externally controlled and wherein the natural frequency of the ~~system-device~~ is regulated by applying pressure to the upper pressure chamber or the lower pressure chamber.

Claim 2 (currently amended): A device for adaptive vibration attenuation comprising a passive isolator with a nonlinear force-deflection characteristic ~~and~~ wherein the passive isolator comprises a mechanical actuator which varies an operating point ~~of said passive isolator~~ along said force-deflection characteristic ~~wherein the mechanical actuator~~ and is comprised of a coiled spring, a load supporting rod, a non-linear spring and a means for externally controlling a preload to said coiled spring whereby as the coiled spring force is varied, the load supporting rod transfers pressure ~~is transferred~~ to the non-linear spring.